Smith

The Commonwealth of Massachusetts

STATE COLLEGE AT WORCESTER

Spring—1964

Program of Continuing Studies

Beginning January 27, 1964

UNDER THE AUSPICES OF

DIVISION OF STATE COLLEGES

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SCHEDULE OF CLASSES

NOTE: Courses carrying undergraduate credit only are numbered in the 700 series; courses carrying both undergraduate and graduate credit are numbered in the 800 series; and courses carrying graduate credit only are numbered in the 900 series. Assistance in selecting and registering in all courses is available in Room G-25 in the Gymnasium-Library Building, the W.S.C. Office of the Program of Continuing Studies . . . Worcester 756-5121.

All courses carry three semester hours of credit

No.	*Course Title*	*Instructor*	*Room No.*
MONDAYS, 4:30-7:15 P.M., BEGINNING JANUARY 27, 1964			
S807	Supervision in Today's Schools - Section A	Elizabeth V. Foster	211
S829	Geography of South America	Robert F. Perry	203
S830	Ideology and World Affairs	John S. Gibson	G-23
S834	History and Literature of Music as one of the Fine Arts	Thomas H. Carpenter	104
S887	Books and Related Materials for Junior and Senior High School Students	Francis R. Currie	G-26
S900	Philosophical Foundations of Education, Part I	Walter Busam	208
S903	Psychological Foundations of Education, Part II, Sec. A	Joseph A. Shea	G-22
S906	Research and Evaluation - Section A	William L. Sullivan	G-24
S910	Role of the School Adjustment Counselor	To be announced	205
TUESDAYS, 4:30-7:15 P.M., BEGINNING JANUARY 28, 1964			
S807	Supervision in Today's Schools - Section B	Helga E. Peterson	211
S812	Principles and Practices in Guidance	Paul J. McCarron	G-26
S815	Curriculum Development and Organization	Vera M. Dowden	312
S831	Sociology: Principles and Problems	Robert W. Goss	209
S838	History of France in the 19th and 20th Centuries	Edwin R. Hedman	305
S843	Animal World and Its Evolution	Paul A. Holle	205
S849	Analytic Geometry	Edmund C. Osborne	103
S870	Foods: Management and Nutrition	To be announced	G-23
S901	Philosophical Foundations of Education, Part II, Sec. A	Dr. Riordan	302
WEDNESDAYS, 4:30-7:15 P.M., BEGINNING JANUARY 29, 1964			
S816	Dramatic Interpretation and Direction	Robert E. Todd	104
S817	The Teaching of Reading in Elementary Schools	Elizabeth R. Barlow	306
S836	American Foreign Policy	Francis G. Walett	G-26
S845	Space Science for Elementary Teachers	Harold L. Chapman	110
S848	Modern Mathematics for Elementary School Teachers	Paul F. O'Neil	309
S902	Psychological Foundations of Education - Part I	Joseph C. Lonergan	312
S903	Psychological Foundations of Education - Part II, Sec. B	Achille A. Joyal	G-22
S906	Research and Evaluation - Section B	William D. Joyce	G-24
S908	Techniques of Counseling - Guidance III	Joseph C. Scannell	G-23
THURSDAYS, 4:30-7:15 P.M., BEGINNING JANUARY 30, 1964			
S820	Poetry from Chaucer to Frost	Kathryn R. O'Donnell	G-23
S835	Art for the Classroom Teacher	Alice G. McConnell	Art Rm.
S861	The Chemistry of the Covalent Bond: Organic Chemistry	Melvin Merken	105
S882	Studies in Adolescent Psychology	Thomas Todd	211
S901	Philosophical Foundations of Education, Part II, Sec. B	William K. Masterson	205
S907	Problems in Organization and Administration of Guidance (Guidance II)	G. Flint Taylor	208
S911	Educational Data Processing - School Administration VII	John Torosian	312
S916	Techniques of Automatic Instructional Programming	William R. Tracey	G-24
S918	Measurement of Intelligence (Binet Testing)	Ruth V. Somers	309

EXTENTION FACULTY

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ELIZABETH R. BARLOW, B.S., Ed.M., Ed.D.
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VERA M. DOWDEN, B.S., Ed.M.
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ACHILLE A. JOYAL, A.B., A.M.
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THOMAS TODD, B.S., Ed.M.
JOHN TOROSIAN, B.S., Ed.M., Ed.D.
WILLIAM TRACEY, B.S., Ed.M., Ed.D.
FRANCIS G. WALETT, B.S., A.M., Ph.D.

GENERAL INFORMATION

The courses announced in this bulletin are offered by the Division of State Colleges in cooperation with the State College at Worcester. **The Division of State Colleges reserves the right to cancel any course which does not have a minimum of 20 enrollments.**

Both graduate and undergraduate courses are offered: Courses carrying undergraduate credit only are numbered in the 700 series; courses carrying both graduate and undergraduate credit are numbered in the 800 series; courses carrying graduate credit only are numbered in the 900 series.

REGISTRATION

Registration should be made on January 20, 21, 22, 23, and 24 from 3 to 5 p.m. or during the first week of the Winter semester at Worcester State College at Worcester, Massachusetts.

To facilitate course selection, provisions have been made for registration in advance by mail. The registration blank found on the last page should be forwarded to the college immediately. Registration fees must be paid by check or money order to the State College at Worcester. Cash will not be accepted. Assignments to classes which are or might be sectioned, or assignment to classes with maximum registrations, will be made in the order of completed registrations.

1. The tuition fee for residents of Massachusetts is $18.00 per semester hour of credit; for non-residents, $25.00 per semester hour of credit; and for auditors, $11.00 per semester hour.
2. LATE REGISTRATION FEE — (Required of all, including veterans, after the first class meeting) $2.00.
3. Change of Course Fee — Payable for any change of registration after the first class meeting except when a course is cancelled, $2.00.
4. All students in the Winter Semester, including veterans, must pay a $2.50 registration fee. UNDER NO CIRCUMSTANCES WILL ANY OF THE REGISTRATION FEES BE REFUNDED.

VETERANS

Any resident of Massachusetts who has served in any branch of the armed service for at least **90 days**, one of which must have been served either between **September 16, 1940**, and **December 31, 1946**, or between **June 25, 1950** and **January 31, 1955** and who has a discharge other than dishonorable may enroll without charge for instruction in any course here offered within the established limitation of 120 semester hours. To establish his eligibility the veteran must present his discharge (or a photostatic copy) or certificate of satisfactory service in the case of officers, together with proof of residence, in advance of the opening date of class meeting.

Disabled veterans may also take extension courses without charge. The disabled veteran should obtain a certificate of disability from the United States Veterans Administration and residence certificate from the Board of Assessors or from the Town or City Clerk, establishing either

six months' residence prior to entry into service or five years residence prior to date of application.

CREDIT

Regulations and requirements for degree study may be obtained at the office of the Director of Continuing Studies, State College at Worcester. It is urgently recommended that the guidance and advice of the Director be sought and faithfully followed in planning a program of study. For teachers in service, a maximum of six semester hours of credit per semester may be credited toward a degree.

The GRADUATE RECORD EXAMINATION, required of all graduate students, will be conducted at Worcester State College on Saturday, April 25, 1964. The Bulletin of Information and Application Blanks can be secured at the Director's Office, Room G-25, Gymnasium-Library Building, State College at Worcester, Mass. Registration through the Educational Testing Service, Princeton, New Jersey, closes on April 10, 1964.

The degree of Master of Education is awarded at the State Colleges at Boston, Bridgewater (including Hyannis Summer Session), Fitchburg, Framingham, North Adams, Salem, Westfield, and Worcester. Graduate courses in partial fulfillment of the requirements for this degree may be offered from time to time in the other State Colleges and the Massachusetts College of Art.

The Comprehensive Examination will be conducted on Friday, April 10, 1964. Graduate students who will have completed their formal course work in the required areas by the end of May 1964 will be eligible to take it.

Registration for the 1964 Summer Session will be conducted from June 1 through June 5, 1964, from 3 to 5 p.m. and on the first day of SS-1964. It is anticipated that the following courses will be offered during the 1964 Summer Session:

*Intensive Teacher Preparation Workshop in Elementary Education
*Intensive Teacher Preparation Workshop in Secondary Education
Philosophical Foundations of Education, Parts I and II
Psychological Foundations of Education, Parts I and II
Research and Evaluation
Guidance
Curricular Methods and Materials in Elementary Education
Curricular Methods and Materials in Secondary Education
School Administration
Special Education

It is anticipated that courses in the areas of history, geography, and the social studies, physical science, the creative arts, English, and the language arts will be offered.

*Candidates for either workshop should make inquiry about required credentials and interviews in March or April.

COURSE DESCRIPTIONS

S807 Supervision in Today's Schools — Section A 3 Sem. Hrs.

This course is designed as an introductory course in supervision for teachers, school administrators, and supervisors at both the elementary and secondary school levels. Significant topics included in the course are: concepts of supervision; principles of supervision; organization for supervision; group process; techniques of supervision; and the evaluation and improvement of instruction, curriculum, and the supervisory program. Opportunity will be provided for concentrated study and application of the materials of the course to elementary, secondary, or special subject work.
This course, or its equivalent, is prerequisite for all advanced courses in supervision.

Elizabeth V. Foster — Monday, 4:30-7:15 P.M. beginning January 27, 1964

S829 The Geography of South America 3 Sem. Hrs.

This course is a study of the physical and cultural backgrounds of the various countries of South America and of their influence on the present day human utilization of the land. Emphasis is placed on the economic, political, and social developments and problems of the various countries. The ultimate purpose of the course is to increase the student's knowledge and understanding of the peoples of South America, their lands, and their problems.

Robert F. Perry, Jr. — Monday, 4:30-7:15 P.M. beginning January 27, 1964

S830 Ideology and World Affairs 3 Sem. Hrs.

The role of ideology in shaping the objectives of states in contemporary world affairs is the theme of this special course which has been organized in cooperation with the Massachusetts Department of Education and the Commissioners of Education of the Northeastern States in order to meet the needs of schools concerned about the challenges presented to the democratic way of life by communism and other totalitarian ideologies. Lectures, discussions, readings, and instruction in appropriate teaching methods comprise the course content. The lectures are based essentially on Dr. Gibson's 21-inch Classroom television series entitled "FOCUS: Ideology and World Affairs." The principal teaching tool will be the Northeastern States "Resource Unit on Ideology and World Affairs." This course, offered in conjunction with the Division of Civic Education of the Massachusetts' Department of Education, is approved for secondary teacher certification purposes.

John S. Gibson — Monday, 4:30-7:15 P.M. beginning January 27, 1964

S834 History and Literature of Music as One of the Fine Arts

3 Sem. Hrs.

This course is designed to encourage recognition of a deeper meaning and greater enjoyment of music through understanding. It is directed toward those who have had a minimum of or no formal training in music, but who wish to broaden their background in this area. The course is an historical survey of music and its role in civilization from the Renaissance to the present day with particular emphasis on the nineteenth and twentieth centuries. Although not a methods course, these materials should be useful professionally to both prospective and in-service teachers.

Thomas H. Carpenter — Monday 4:30-7:15 P.M. beginning January 27, 1964

S887 Books and Related Materials for Junior and Senior High School Students 3 Sem. Hrs.

This course is designed to provide teachers and librarians with a knowledge of the fundamental principles in evaluating and selecting books and related materials for young adults (grades 7-12), the standard review and selection sources, basic book collections for junior and senior high schools, handling controversial book problems, the sources for non-book materials. Emphasis will be placed on relating selection practices to the educational program of the modern secondary school. This course will satisfy, in part, the requirements for the public school librarian's certificate.

Francis R. Currie — Monday 4:30-7:15 P.M. beginning January 27, 1964

S900 Philosophical Foundations of Education, Part I 3 Sem. Hrs.

This course is an historical approach to the study of educational thought and includes an examination of primary educational concepts which have evolved through western thought to the present day. Selections from the great documents in educational thought are studied in relation to the historical period in which they were produced. The student is expected to read and analyze the original contributions of the major educational philosophers.

Walter Busam — Monday 4:30-7:15 P.M. beginning January 27, 1964

S903 Psychological Foundations of Education, Part II, Section A

3 Sem. Hrs.

This course is an advanced systematic exposition of various psychological principles related to teaching, with a special emphasis on the application of these principles to specific classroom situations. Readings will be required in the areas of: emotional growth, mental health, motivation, discipline, dynamics of interpersonal relationships, social psychology, and adolescent psycholovy.

Joseph A. Shea — Monday 4:30-7:15 P.M. beginning January 27, 1964

S906 Research and Evaluation, Section A 3 Sem. Hrs.

This course will stress the use of appropriate research methods in the selection and evaluation of data. It is designed to aid teachers in the preparation and understanding of educational research reports. Points of emphasis will include the nature of research, library techniques and resources, selection and delimitation of problems, documentation, organization and format of a report, appraisal of educational literature, necessary statistical concepts and methods of research. The student will be expected to demonstrate his knowledge of these in a term paper.

William L. Sullivan — Monday 4:30-7:15 P.M.
beginning January 27, 1964

S910 Role of School Adjustment Counselor 3 Sem. Hrs.

This course will concern itself with the duties of School Adjustment Counsellors; preparation for the work; and the administration of the program on a State and local level. Emphasis will be placed on the significant values of the program for detecting and helping children whose maladjustment prevents them from profiting within their capacity from the school experience and which, if allowed to worsen as the years go on, will develop into serious school and community problems. S-910 is co-sponsored by the Mass. Division of Youth Services.

Instructor to be announced — Monday 4:30-7:15 P.M.
beginning January 27, 1964

S807 Supervision in Today's Schools, Section B 3 Sem. Hrs.

This course is designed as an introductory course in supervision for teachers, school administrators, and supervisors at both the elementary and secondary school levels. Significant topics included in the course are: concepts of supervision; principles of supervision; organization for supervision; group process; techniques of supervision; and the evaluation and improvement of instruction, curriculum, and the supervisory program. Opportunity will be provided for concentrated study and application of the materials of the course to elementary, secondary, or special subject work.
This course, or its equivalent, is prerequisite for all advanced courses in supervision.

Helga E. Peterson — Tuesday 4:30-7:15 P.M.
beginning January 28, 1964

S812 Principles and Practices in Guidance 3 Sem. Hrs.

This is an introductory course designed to provide the student with an understanding of the need, meaning, and scope of guidance services. The principles and practices involved in the following guidance areas will be considered: introduction and philosophy of guidance; understanding the individual and his needs; essential orientation activities for the student; collecting, recording, and

evaluation data; interviewing and counseling; guidance through group activities; placement and follow-up activities; organization and evaluation of guidance. The emphasis of the course will be placed upon the role of the classroom teacher in the guidance program.

NOTE: This course or its equivalent is a prerequisite to advanced courses in guidance.

Paul J. McCarron — Tuesday 4:30-7:15 P.M. beginning January 28, 1964

S815 Curriculum Development and Organization 3 Sem. Hrs.

This course is planned to provide basic preparation for specialized study in the fields of school curriculum, organization, and development. General consideration will be given to the determination of educational direction, the choice of principles and procedures, the basic issues, the patterns of curriculum organization, the method of revision and evaluation, and the role of the teacher in curriculum development. The subject, activity, and core curricula will be identified and analyzed. The curriculum guide and curriculum planning will be discussed. Individual projects and group dynamic process on either the elementary or secondary level will supplement lectures and class discussions.

Vera M. Dowden — Tuesday 4:30-7:15 P.M. beginning January 28, 1964

S831 Sociology: Principles and Problems 3 Sem. Hrs.

The purpose of the course is to indicate the application of the principles of sociology to the understanding and solution of current social problems. The presentation and study of content will be empirical in the sense that it is based on the latest research in sociology and related fields. Some of the problems to be studied will be: inter-group tensions, social effects of inventions, control of technology, and problems of population growth.

Robert W. Goss — Tuesday 4:30-7:15 P.M. beginning January 28, 1964

S838 History of France in the 19th and 20th Centuries 3 Sem. Hrs.

Starting with an evaluation of the settlement that followed the failure of Napoleon to make permanent his re-organization of Europe, this course is designed to trace the problems and events within France that resulted in the formation of many factions and governments. While giving some consideration to the "Bourbon" and "July" monarchies, major attention will be devoted to an analysis of the Third and Fourth Republics.

Edwin R. Hedman — Tuesday 4:30-7:15 P.M. beginning January 28, 1964

S843 Animal World and Its Evolution 3 Sem. Hrs.

This course will include a survey of the animal kingdom, its evolution, and certain taxonomic considerations. The course and its lectures will be directed towards expanding the background of those who have had a minimum of formal training in the biological sciences, and will be supplemented with appropriate audio-visual materials; demonstrations, slides, movies, and examination of selected living and/or preserved specimens.

Paul A. Holle — Tuesday 4:30-7:15 P.M.
beginning January 28, 1964

S849 Analytic Geometry 3 Sem. Hrs.

Analytic Geometry is a study of geometry treated by means of algebra with a reference, direct or indirect, to a system of co-ordinates. A study of Trigonometry should precede this course. Topics treated include co-ordinates, graphs, inclination, slope, loci and their equations; the straight line; the circle; transformation of coordinates; the parabola; the ellipse; the hyperbola.

Edmund C. Osborne — Tuesday 4:30-7:15 P.M.
beginning January 28, 1964

S870 Foods: Management and Nutrition 3 Sem. Hrs.

Students in this class will study the fundamentals and principles of normal nutrition with emphasis on food selection to meet the nutritional needs of adults and children. In addition, they will consider the factors influencing supply, quality, cost, cooking techniques, development of accurate judgment in food purchasing, and the construction of dietaries for different age groups.

Instructor to be announced — Tuesday 4:30-7:15 P.M.
beginning January 28, 1964

S901 Philosophical Foundations of Education, Part II, Section A 3 Sem. Hrs.

This course makes application of the philosophical bases of education to recurrent and contemporary educational issues and problems. Each topic is studied from the viewpoint of each of the major philosophical systems and the related educational concepts in order to determine to what extent a synthesis of viewpoint may be achieved.

Joseph W. Riordan — Tuesday 4:30-7:15 P.M.
beginning January 28, 1964

S816 Dramatic Interpretation and Direction 3 Sem. Hrs.

Student in S-816 will make a thorough study and practice of staging and coaching techniques involved in dramatic presentations. Although designed primarily for those concerned with directing the high school drama program, this course is open to all others interested in utilizing dramatic and oral interpretation as additional

classroom techniques. Students will be aided in adapting selected materials for this type of presentation in their own classrooms.

Robert E. Todd — Wednesday 4:30-7:15 P.M. beginning January 29, 1964

S817 The Teaching of Reading in Elementary Schools 3 Sem. Hrs.

This course is designed to cover the function of reading in the modern school program, effective procedures for developing the basic reading skills, practical techniques for improving pupil competence in the reading-study skills of content areas and methods of diagnosing and correcting reading deficiences.

Elizabeth R. Barlow — Wednesday 4:30-7:15 P.M. beginning January 29, 1964

S836 American Foreign Policy 3 Sem. Hrs.

This study of the development of American foreign policies will provide the bases for understanding the position of the United States in the twentieth century. Emphasis will be placed on hemispheric defense, imperialism, isolationism, international cooperation and cold war issues. Reports, the study of source materials, and discussion of interpretive viewpoints will be part of the class work.

Francis G. Walett — Wednesday 4:30-7:15 P.M. beginning January 29, 1964

S845 Space Science for Elementary Teachers 3 Sem. Hrs.

The interrelated subject matter of such sciences as astronomy, geology, physics, chemistry, and biology will be studied in order that all may understand the principles and theories of the physical sciences that make possible man's travel into space. Such topics as the composition of the earth, the physical laws of space (laws of Kepler, Newton, and others), rocket propulsion, space navigation, and human survival will be considered. Although S-845 is structured principally for teachers in the elementary grades, registration is open to others, with the consent of the instructor.

Harold L. Chapman — Wednesday 4:30-7:15 P.M. beginning January 29, 1964

S848 Modern Mathematics for Elementary School Teachers 3 Sem. Hrs.

This course will develop a working knowledge of the mathematical concepts basic to programs for elementary schools. Selected topics common to the various programs in modern mathematics will be treated in considerable detail to develop the background materials essential for successful teaching. Some of the topics to be covered are: basic concepts of sets, venn diagrams, arithmetic in bases other than ten, intuitive geometry, enequalities, natural numbers, integers, rational numbers, real numbers, etc.

Paul F. O'Neil — Wednesday 4:30-7:15 P.M. beginning January 29, 1964

S902 Psychological Foundations of Education, Part I 3 Sem. Hrs.

This course covers the theoretical aspects of psychology for the classroom teacher. It includes a systematic analysis of the major schools of psychology and a study of the effects of heredity and environment. Reading in the following areas will be required: results of research on growth and development, theories of intelligence, concepts in measurement and evaluation, individual differences in capacity and achievement, and learning theory.

Joseph C. Lonergan — Wednesday 4:30-7:15 P.M. beginning January 29, 1964

S903 Psychological Foundations of Education, Part II, Section B 3 Sem. Hrs.

This course is an advanced systematic exposition of various psychological principles related to teaching, with a special emphasis on the application of these principles to specific classroom situations. Readings will be required in the areas of: emotional growth, mental health, motivation, discipline, dynamics of interpersonal relationships, social psychology, and adolescent psychology.

Achille A. Joyal — Wednesday 4:30-7:15 P.M. beginning January 29, 1964

S906 Research and Evaluation, Section B 3 Sem. Hrs.

This course will stress the use of appropriate research methods in the selection and evaluation of data. It is designed to aid teachers in the preparation and understanding of educational research reports. Points of emphasis will include the nature of research, library techniques and resources, selection and delimitation of problems, documentation, organization and format of a report, appraisal of educational literature, necessary statistical concepts and methods of research. The student will be expected to demonstrate his knowledge of these in a term paper.

William D. Joyce — Wednesday 4:30-7:15 P.M. beginning January 29, 1964

S908 Techniques of Counseling, Guidance III 3 Sem. Hrs.

This course is intended for teachers and others interested in guidance. Principles of counseling and the application of basic and advanced techniques to the counseling process will be included. Case studies and personal, educational, and vocational problems on the elementary, secondary, and college levels in counselor-situations will be presented.

Joseph C. Scannell — Wednesday 4:30-7:15 P.M. beginning January 29, 1964

S820 Poetry from Chaucer to Frost 3 Sem. Hrs.

This course is designed to enable students to survey the development of style and forms of English poetry from its beginnings to the present time. They will trace the historical development of the style and forms of these communications and form a critical appreciation of poetry as an art and as an expression of life. Lec-

tures and class discussions will highlight this survey.
Kathryn R. O'Donnell — Thursday 4:30-7:15 P.M. beginning January 30, 1964

S835 Art for the Classroom Teacher — 3 Sem. Hrs.

In this studio workshop students will enrich their experiences in dealing with the art materials, skills and techniques valuable to the classroom teacher. A combination lecture, informal discussion, and activity course will provide individual and group work in such areas as basic drawing, painting, lettering, and modeling. Exhibits, reproductions, and slides will be used as enrichment material.
Alice G. McConnell — Thursday 4:30-7:15 P.M. beginning January 30, 1964

S861 The Chemistry of the Covalent Bond: Organic Chemistry — 3 Sem. Hrs.

S-861 is a study of organic chemistry designed for junior and senior high school teachers of general science, biology, and chemistry. Special emphasis will be placed on structural theory and on the simple reactions of organic molecules. Lectures and demonstrations supplement the laboratory session each week.
Melvin Merken — Thursday 4:30-7:15 P.M. beginning January 30, 1964

S882 Studies in Adolescent Psychology — 3 Sem. Hrs.

Emphasis will be on the adolescent as he is seen by the classroom teacher and the problems that confront the teacher in directing his growth toward acceptable social standards. This course will stress the application of psychological principles to the pupil's adjustment to school, home, and community and the development of a well-intergrated personality.
Thomas Todd — Thursday 4:30-7:15 P.M. beginning January 30, 1964

S901 Philosophical Foundations of Education, Part II, Section B — 3 Sem. Hrs.

This course makes application of the philosophical bases of education to recurrent and contemporary educational issues and problems. Each topic is studied from the viewpoint of each of the major philosophical systems and the related educational concepts in order to determine to what extent a synthesis of viewpoint may be achieved.
William K. Masterson — Thursday 4:30-7:15 P.M. beginning January 30, 1964

S907 Problems in Organization and Administration of Guidance (Guidance II) — 3 Sem. Hrs.

This course will acquaint potential and in-service teachers in the elementary and secondary schools with the latest vocational guid-

ance information. Analysis and discussion of unusual homeroom, community, group, and individual guidance problems will be stressed. Clinical guidance procedures, testing, and the principles and methods of interviewing will be presented. This course will consist mainly of lectures, discussions, and panel participations. Individual reports and research will be required.

G. Flint Taylor — Thursday 4:30-7:15 P.M. beginning January 30, 1964

S911 Educational Data Processing — School Administration VII 3 Sem. Hrs.

This course is designed as an introduction to punched card data processing, its history and evolution. The course covers in detail the principles of punched card design, forms design, coding, flow charting, card punch operations, accounting machine operations, and an introduction to functional wiring principles.

Among the applications to be covered will be: *1) Student Personnel Accounting:* scheduling, attendance, school census, class lists, testing results, bus lists, etc. *2) Business Accounting:* payrolls, inventories, appropriation accounting, and budgets, and *3) Curriculum.* Demonstrations will be arranged from time to time to illustrate the various functions.

John Torosian — Thursday 4:30-7:15 P.M. beginning January 30, 1964

S916 Techniques of Automatic Instructional Programming 3 Sem. Hrs.

This course is designed to develop skill in auto-instructional programing through intensive study of basic programing techniques, analysis of commercial and experimental programs, and supervised practice in the construction of frame sequences. Emphasis will be placed on the study of systems for systematically outlining a knowledge domain, basic types and functions of linear frames, methods of cueing and vanishing, methods of branching in linear programs, and the construction of panels. Unconventional programing approaches and a variety of program formats will also be discussed and illustrated.

William R. Tracey — Thursday 4:30-7:15 P.M. beginning January 30, 1964

S918 Measurement of Intelligence 3 Sem. Hrs.

This course will be concerned with a study of the origins and uses of intelligence tests. Specific emphasis will be given the 1960 revision of the Stanford-Binet test. Attention will be centered on administering, scoring, and interpreting the Stanford-Binet test. This course may be used to meet the requirements for a Binet Certificate.

Ruth V. Somers — Thursday 4:30-7:15 P.M. beginning January 30, 1964

Prerequisite: A basic course in tests and measurements.

REGISTRATION BLANK

Registration blanks should be forwarded immediately, accompanied by check or money order payable to State College at Worcester. No registration is complete without accompanying fee.

Clip and mail to:

MR. CORNELIUS S. DONAHUE
Director of the Program of Continuing Studies

or

MR. JOHN F. EAGER, *Associate Director*
Worcester State College
Worcester, Massachusetts

COURSE **CREDITS (check)**

..... B.S.E. ( ) M.Ed. ( ) OTHER ( )

..... B.S.E. ( ) M.Ed. ( ) OTHER ( )

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Name .....

Street .....

City or Town .....

Veteran? .....

[#2]